

# INDEX TO VOLUME XVI

## AUTHORS INDEX

### A

- ABELSON, H. E. The design of auxiliary springs to reduce breakage, 653  
 ADERER, JULIUS. Evidence that one mechanical test is worth more than a dozen expert opinions, 296  
 AINSWORTH, GEORGE C. Automatic appliances, 432  
 ANDERSON, G. M. Mandibular cyst associated with malocclusion, 430

### B

- BACH, ERNEST N. Clinic on a neutroclusion case, 1194  
 —. Closing spaces resulting from missing permanent maxillary lateral incisors, 937  
 —. Some methods and attachments used in the bodily movement of teeth, 744  
 BLAIR, VILRAY PAPIN. Repair of defects caused by surgery and radium in cancers of the hand, mouth and cheek, 326  
 —. The consideration of contour as well as function in operations for organic ankylosis of the mandible, 62  
 —, BROWN, JAMES BARRETT, AND WOMACK, NATHAN A. Cancer in and about the mouth, 188  
 BÖDECKER, CHARLES F. The remineralization of white spots in the dental enamel, 1146  
 BROWN, J. B. Switching of vermilion-bordered lip flaps, 438  
 —. (See Blair, Vilray Papin, Brown, James Barrett, and Womack, Nathan A.), 188  
 BRUMFIELD, R. C. Structural features related to orthodontic materials and appliances, 1050  
 BRYAN, W. A. Ethics, 1150

### C

- CASTO, FRANK M. The trend of orthodontic treatment, 1078  
 CHAPMAN, HAROLD. Cases of practical interest, 423  
 CHARLES, S WILSON. Growth of the bones of the face, 622  
 CHIAVARO, ANGELO. Root development in connection with dental pathology and with orthodontology, 669

- COOPER, HERBERT K. Some thoughts concerning muscle exercises, 527  
 CUNNINGHAM, J. T. Heredity, 703  
 CURTIS, LAWRENCE. (See Ivy, Robert H., and Curtis, Lawrence), 57

### D

- D'ALISE, CORRADO. A new clinical sign of rickets and missing tooth germs, 851  
 —. The third molar in orthodontia, 597  
 DARBY, WESLEY C. Anti-thumb sucking device, 295  
 DAVIE, A. M. A case of normal development, 1177  
 DECHAUME, M. (See Vachey, A., and Dechaume, M.), 890  
 DEVRIES, B. G. Two close-bite cases, 962  
 DEWEY, MARTIN. The constancy of cusp position as related to facial form, 180  
 DINHAM, W. R. (See Rogers, Alfred Paul, Dinham, W. R., and Logan, H. L.), 254, 256  
 DREYFUS, SYLVAIN. Infant's feeding, 951  
 —. The first permanent molar, 651

### E

- EADY, BARRINGTON. A case of close bite not associated with either postnormal occlusion or mouth-breathing, 750  
 EBY, JOS. D. Some points in the treatment of distocclusion, 1182

### F

- FLINT, WILSON R. Mechanical arrest of hemorrhage in a case of hemophilia, 1093

### G

- GLASER, CLIFFORD G. Technic in the treatment of impacted canines, 1191  
 GRAY, NORMAN. Some elementary principles of biology applied to orthodontic practice, 839

### H

- HAMM, A. C. Report of two cases, 884  
 HAWLEY, C. A. Treatment of Class II or distocclusion, 127  
 HAYNES, ROYAL STORRS. The common ground of orthodontia and pediatrics, 1131

- HELLMAN, MILO. The orbital plane, 151  
 HERBST, EMIL. Orthognathia, 418  
 —. Teratology of the human jaw, 410  
 HODGSON, MILLARD B. A discussion of methods for development of radiodontic films, 87  
 HOFFMAN, HENRY F. Case report demonstrating the advisability of complete x-ray examinations before starting treatment, 290  
 HOWARD, CLINTON C. A discussion of infra- and supraversion occlusion, 1019  
 HUMPHREY, WILLIAM R. A machine for sharpening model trimmer blades, 1296  
 —. Mesioclusion complicated by infraclusion of anterior teeth, 1171  
 HYAMS, BERNARD L. A method for the planning of orthodontic appliances, 1094  
 —. Physiologic diagnosis, a key to the regulation of complex malocclusions, 42
- I
- IVY, ROBERT H., AND CURTIS, LAWRENCE. Bilateral fracture of maxilla with forward displacement, 57
- J
- JACKSON, ANDREW F. The interrelation of causes, factors and treatment in orthodontia, 602
- K
- KADNER, A. Presidential address of the European Orthodontological Society, 511  
 KELSEY, HARRY E. A practical lingual tube with noninterfering lock and a universal buccal tube, 1202  
 KORKHAUS, G. A new orthodontic symmetrograph, 665  
 —. Anthropologic and odontologic studies of twins, 640  
 —. Lingual lock, 657  
 —. Soldering holder, 656
- L
- LAY, VICTOR. A photographic report of eight completed cases, 982  
 LEVY, ELSE. The best age for orthodontic treatment, 1156  
 LEVY-DAVIDSOHN. The differences in the cases with distal bite (Angle Class II) and their treatment, 635  
 LEWIS, PAUL D. A bilateral distocclusion in which developmental exercises were used advantageously, 991  
 LINCOLN, CHARLES W. Report of multilocular cyst in the left mandibular region, 324  
 LINDSAY, MRS. A note on certain histologic researches of Drs. Stein and Weinmann on the movement of teeth, 409
- LISCHER, B. E. Differential diagnosis and prognosis, 113  
 LIVINGSTON, A. Note on cone-shaped teeth, 993  
 LOCKETT, A. C. An attempt to solve the problem of the lapsing of treated cases through the study of international orthodontics, 376  
 LOGAN, H. L. (See Rogers, Alfred Paul, Dinham, W. R., and Logan, H. L.), 254, 268  
 LOURIE, LLOYD S. Some forms of spring extensions for high labial arch, 748  
 LOWY, RICHARD. The necessity of normal calcium phosphorus metabolism, 947  
 LYNCH, DANIEL F. Postoperative roentgenograms, 210
- Mc
- MCBRIDE, EARL D. The architecture of bone, 943  
 MCCOY, JAMES D., AND MCCOY, JOHN R. Organizing for pleasant and efficient practice, 29  
 MCCOY, JOHN R. (See McCoy, James D., and McCoy, John R.), 29  
 MCKEAG, H. T. Physical laws and the design of orthodontic appliances, 856
- M
- MACMILLAN, DUNCAN, JR. Fractures of the maxilla and mandible, 444  
 MALLER, J. WILLIAM. A new simplified, photographic technic for determining the relationship of the teeth, palate, and occlusal plane to the face and cranium in living subjects, 972  
 MARSHALL, JOHN A. Studies on apical absorption of permanent teeth, Part I, 1  
 —. Studies on apical absorption of permanent teeth, Part II, 1035  
 MATTHEWS, G. F. CALE. Postnormal occlusion, 922  
 MEAD, STERLING V. Incidence of impacted teeth, 885  
 —. Report of a case of hemorrhagic purpura, 758  
 —. Sterilization for surgery of the mouth, 1097, 1215, 1317  
 METZ, H. C. Pernicious habit retarding lateral development of anterior teeth, 968  
 MOREHOUSE, HARRY L. Third molars and their relation to orthodontic treatment, 911
- N
- NICOLAI, FRANK. The inlay attachment for deeply impacted canines, 1298  
 NORD, CH. F. L. The advantages of removable appliances, 1273  
 NORTHCROFT, GEORGE. Malocclusions of the deciduous dentition, 714

O

- OLIVER, OREN A. President's address before the American Society of Orthodontists, 683
- OPPENHEIM, ALBIN. Bone changes during tooth movement, 535
- OTTOLENGUI, R. Balanced occlusion in relation to natural teeth, 465

P

- PADGETT, EARL CALVIN. The repair of cleft palates after unsuccessful operations, 1299
- PAYNE, J. LEWIN. Some cases of delayed eruption of the teeth, 820
- POLLOCK, H. C. Modification of the fixed removable type of orthodontic appliance, 737
- Report of operative cleft palate case of Dr. Vilray P. Blair, with orthodontic interference, 1210
- PULLEN, HERBERT A. Instruments for insertion and removal of the lingual or labial arches with half-round rod and tube lock, 1293
- Treatment of an adult open-bite case by grinding the occlusal surfaces of posterior teeth, 1187

Q

- QUINTERO, JAMES T. A few symptoms of the impaction of permanent canines, 648
- Diagnostic methods in orthodontics, 351
- From theory to practice: rules governing my choice of orthodontic appliances, 579
- The practice of orthodontia in school clinics, 615

R

- REICHMANN, F. J. A teleologic view of orthodontia, 804
- RICHARDSON, ELIZABETH E. An appliance for the treatment of an extreme open-bite case with labioversion of the maxillary anterior teeth, 882
- ROBISON, HOMER B. Muscle function, its effect on osseous development, and its relation to orthodontic treatment, 241
- ROGERS, ALFRED PAUL, DINHAM, W. R., AND LOGAN, H. L. A helpful point of view, 254
- RUSSELL, A. Y. A method for treating the fracture of the neck of the condyle, 84

S

- SCHNEIDER, JOSEPH Z. The calcium to phosphorus ratio as related to mineral metabolism, 277

- SCHWARTZ, A. J. A dentigerous cyst, 329
- SCHWARZ, RUDOLPH. Labial deformities due to malocclusion, 808
- SCOGIN, CLYDE W. Dietary management of oral surgical cases, 996
- SELDIN, HARRY M. Hospital dentistry, 558
- Neoplasma of the mouth, 1204
- SEYBOLD, JOHN W. Tumors in the oral cavity, 81
- SHAPIRO, HARRY H. Growth and time corrections between ossification centers in the long bones and calcification centers in the mandibular dentition of the cat, 690
- SIMON, PAUL W. The spring-beam apparatus, 658
- SIMPSON, CLARENCE O. A reply to Mr. Hodgson's discussion, 91
- Examples of misinterpretation regarding supernumerary teeth, 331
- Radiodontic nomenclature, 448
- The deterioration of radiodontic films, 214
- SIMPSON, G. C. E. (See Watkin, H. G., and Simpson, G. C. E.), 1163
- SORRELS, HARRY H. The cast gold retainer, 1196
- SORRELS, T. WALLACE. Orthodontia education, 795
- STALLARD, HARVEY. A consideration of extraoral pressures in the etiology of malocclusions, 475
- STEPHENS, B. MAXWELL. The relation of orthodontics to general practice, 398
- STRYKER, HARVEY A. Appliances showing secure force control for lingual movement of incisors and buccal movement of canines and premolars, 1198
- Demonstrating the application of rational therapy and treatment principles, 903
- SUGGETT, ALLEN H. Methods of treatment, 140
- SUMMA, RICHARD. Dr. Edward Hartley Angle, 1124
- The teaching of orthodontia, 286
- Thirty years in orthodontia, looking backward, forward, and sideways, 725

T

- TANZEY, HUGH GRUN. Appliances and methods employed in closing spaces resulting from loss of first or second permanent molars, 873
- TODD, T. WINGATE. Facial growth and mandibular adjustment, 1243
- TRIBLE, G. B. X-ray and the sinuses, 561

## V

VACHEY, A., AND DECHAUME, M. The septic phlegmon of the floor of the mouth by Gensoul, 890

VISICK, H. C. A report on some typical cases of malocclusion with methods of treatment, 1280

## W

WASSON, W. WALTER. A study of the maxillary sinuses by repeated radiographs from birth to seven years, 768

WATKIN, H. G., AND SIMPSON, G. C. E. The surgical correction of an exaggerated case of inferior protrusion, 1163

WHEELER, HERBERT L. Some practical suggestions on practical orthodontia, 592

WILLET, R. C. Interception of malocclusion in cases of multiple loss of deciduous teeth, 20

WOMACK, NATHAN A. (*See* Blair, Vilray Papin, Brown, James Barrett, and Womack, Nathan A.), 188

## Y

YATER, WALLACE M. The status of focal infection, 552

YATES, A. LOWNDES. The rôle of nose and throat disease in the production of deformities of the jaws, 391

## Z

ZIMMER, MORRIS A. Preoperative, operative, and postoperative care in exodontia, 312

## GENERAL INDEX

### A

- Abnormal breathing, 899
- Abnormalities as cause of malocclusion, 604
- Abscess, apical, 2
- Absorption, apical, of permanent teeth, 1
  - evidences of, 409
- Abstracts, 92, 218, 335, 452, 561, 674, 780, 894, 1006, 1116, 1232, 1327
- Accessory nasal sinuses, 189
- Accident policies, 1235
- Acrania, 412
- Acromegaly, 1136
- Adamantinoma, 1206
- Addison's disease, 677
- Adrenal glands, 1233
- Adult open-bite, grinding posterior teeth in, 1187
  - orthodontia for, 92
- Advertising, dental, controlled by law, 1010
  - professional, 1151
- Aerophagy, 958-960
- Afunctional occlusion, 465, 468
- Age, best, for orthodontic treatment, 1156
- Agranulocytic angina, 94
- Agranulocytosis, 1327
- Alcohol in sterilization, 1318
- Alignment of teeth, 744
- Aluminum in normal nutrition, 220
- Alveolar processes, vascularity in, 1244
- Amalgams, dental, 1006
- America and focal infection, 780
- American Board of Orthodontia, 50, 238, 348, 575, 681, 1331
  - Dental Association, Denver meeting, 463, 574
    - group life insurance for, 97
  - Society for Promotion of Children's Dentistry, 681
  - Society of Orthodontists, 1239, 1333
    - Nashville meeting, 99, 228, 344
      - program, 235, 346
      - president's address, 683
      - resolutions of, 460, 680
      - St. Louis meeting, 1127
      - twenty-eighth annual meeting, Round Table discussions, 300
    - twenty-ninth annual meeting, 571
- Anatomy of skull, 244
- Anchor appliance, 930
  - bands in maxillary arch, 904
- Anemia, idiopathic, treatment of, with iron and copper, 1008
  - sickle cell, 1007
  - vitamins in production of, 221
- Anemias, liver treatment of, 1009
  - secondary, response of reticulocytes in, 1116
- Anesthesia in exodontia, 313
- Angina, agranulocytic, 94
  - Ludwig's, 891
- Angle, Edward H. (facing), 1019
  - (in memoriam), 1124
- Angle School of Orthodontia, 1128, 1239, 1333
- Angnathus, 415
- Ankylosis, ligamentous, of temporomandibular articulation, 257
  - organic, of mandible, operations for, 62
- Anomalies, anteroposterior, diagnosis of, 362
- Anomaly, transversal, diagnosis of, 363
- Anorexia, 1119
- Anteroposterior anomalies, diagnosis of, 362
- Anterior apical movement, 745
  - teeth, infraclusion of, 1171
    - lateral development retarded, 968
- Anthropologic and odontologic studies of twins, 640
- Antiscarlatinal inoculation in Poland, 569
- Anti-thumb sucking device, 295
- Antitoxin in scarlet fever, 569
- Antrum, inflammation in, 391
  - maxillary, bacteriologic and cytologic study of, 1327
- Apical abscess, 2
  - absorption, experimental, 3
    - histopathology of, 8
    - of permanent teeth, 1, 1035
  - base, small, 428
  - infection, changes in blood sedimentation index in, 568
- Apparatus, expansion, 619
- Appliance, anchor, 930
  - auxiliary springs, 1066
  - bracket bands, 971
  - buccal tube, 1202
  - cast gold retainer, 1196
  - expansion, vulcanite plate, 1274
  - for buccal movement of canines and premolars, 1198
  - for lingual movement of incisors, 1198
- Hawley, 910
  - retainer, 982, 993
- inclined plane, 930
- Jackson removable, 738
- labial arch, 992
  - expansion arch, 882
- lingual arch with auxiliary springs, 1189
  - tube with noninterfering lock, 1202
- maxillary expansion, 930
- modification of fixed removable type of, 737
  - open tube, 903
  - retaining, canine-to-canine, 910
  - spring-beam, 1160
  - thumb-sucking, 970
  - to arrest hemorrhage, 1093
  - vulcanite bite-plate, 1282
- Appliances, 729
  - automatic, 432
  - bulky, 483
  - fixed, 404, 582
  - for close-bite cases, 964
  - immovable, 581
  - in orthognathia, mandibular, 422
    - maxillary, 419
    - open-bite, 420
    - premaxillary, 419
  - method for planning, 1094



## Appliances—Cont'd

- orthodontic, choice of, 579
- design of, 856
- removable, 582
  - advantages of, 1273
- soldering joints, 1063
- to close spaces from loss of first or second permanent molars, 873
- wounds of cheek from, 482
- Arch, high labial, 830
- lock, lingual, 1294
- narrow maxillary, 1281
- Aristol, 323
- Arizona law, 111
- Arm and hand pillowing, 485, 490
  - pillowing, 487, 495, 500, 502
- Arrhinencephalie, 416
  - with missing premaxillary bones, 417
- Arsenical paste, 672
- Arsonval current, examination for vital teeth with, 567
- Arthritis, condyle in, 1254
- Articulation, 364-368
  - anthropoid, 1255
  - human temporo-mandibular, 1260
- Artificial feeding, 952
- Asymmetry with ankylosis, 69
- Atmospheric pressure, 955
- Atonic lips, 43
- Attachment, tip, 1192
- Attachments used in bodily movement of teeth, 744
- Autoclave, 1224
  - for sterilization of instruments, 1323
- Automatic appliances, 432
- Auxiliary springs, 1066
  - design of, to reduce breakage, 653

## B

- Bacillus subtilis, 1104
- Bacteriology of tonsils, 340
- Balance, normal, of pressure on denture, 528
- Banana in diet of infants, 96
- Bard-Parker solution in sterilization, 1319
- Basal metabolism in children of abnormal body weight, 219
- Basil children's clinic, 785
- Beam spring, 860
- Bending forces, 1053
- Bilateral distoclusion, 257
  - developmental exercises used in, 991
  - fracture of maxilla with forward displacement, 57
- Biology, 475
  - principles applied to orthodontic practice, 839
- Biopsy in malignant oral lesions, 1208
- Biscuit, wheat irradiated, 782
- Bismuth stomatitis, 94
- Bite, shallowness of, 405
- Blood sedimentation index, changes in, in apical infection, 568
  - serum, pooled, adult, 568
- Boiling for sterilization, 1317
- Bone, architecture of, 943
  - bundle or fascicular, 409
  - changes during tooth movement, 535
  - disease, chronic, nutrition of children with, 1118

## Bone—Cont'd

- formed in membrane, 622
- influence of feeding, upon secretion of stomach, 790
- porosity of, 14
- preformed in cartilage, 623
- regeneration, 948
- resorption, 947
- structure of, 841
- Bones, long, ossification centers of, in cat, 690
  - of face, growth of, 622
- Bony overgrowths about joint, 66
- Bowl feeding, 1000
- Brain case, expanding, 1247
- Breakage of auxiliary springs, design to reduce, 653
- Breast feeding, 951
- Breathing, perverted, 476
- Buccal cavity mucosa group of cancers, 189
  - movement of canines and premolars, 1198
  - tube, 1202
- Butter and butter fat, 282

## C

- Calcification, 282, 283, 948
  - centers in mandibular dentition of cat, 690
  - of dental germs, lack of, 854
- Calcium intake, 786
  - mobilized, 1233
  - phosphorus metabolism, 947
  - plasma, following parathyroid extract, 1233
  - to phosphorus ratio, 277
- Cancer in and about the mouth, 188
  - of mouth, 1204
- Cancers of hand, mouth, and cheek, 326
- Canines, buccal movement of, 1198
  - deeply impacted, inlay attachment for, 1298
  - impacted, 1191
  - impaction of permanent, 648
- Cantilever spring, 857
- Cap-biting blocks on maxillary first molars, 753
- Capping molars and premolars, 405
  - of dental pulp, 672
- Carbohydrates, highly refined, 283
- Carbolic acid in sterilization, 1318
- Carcinoma, 83, 1207
- Carcinomata, squamous-cell, 189
- Care in exodontia, preoperative, operative, and postoperative, 312
  - of fracture of cases, 446
- Caries and pyorrhea, 93
  - new approach to, 674
  - oxalic acid as factor in, 675
  - relation of enamel to, 336
  - structure of teeth in relation to, 786
- Cast gold retainer, 1196
  - onlay, 1193
- Casts, plastic, with Negocoll, 817
- Catarrh, persistent nasal, in children, 339
- Caustic, 322
- Cementum absorption, 13
  - changes in, 11
  - formation, interference in normal process of, 11
  - resorption, complete, 11

- Cephalothoracopagus disymmetros, 414  
   monosymmetros, 410  
   with four eyes, 412  
   with three eyes, 412  
 Cereals, nonirradiated, toxamin content, 283  
 Changes in blood sedimentation index in  
   apical infection, 568  
 Chart for autoclave, 1230  
 Cheek, cancers of, repair of defects caused  
   by surgery and radium in, 326  
   retractor, 314  
   wounds from appliances, 482  
 Chemical factors in malocclusions, 478  
 Chicago Dental Society, 1129, 1238, 1332  
   sixty-seventh annual meeting and clinic,  
   793, 900  
 Chickenpox, period of infectivity and serum  
   prevention of, 570  
 Child, hypertonic, 895  
   hypotonic, 895  
   refusal of, to eat, 1119  
   value of mental hygiene to, 788  
 Childhood, erysipelas in, 676  
   importance of body type and constitution  
   in, 895  
   mental hygiene in, 787  
   nasal discharge in, 339  
 Children, chronic dyspepsia in, 222  
   gastric secretion in, 896  
   hemoglobin variation in, 1116  
   malnutrition in, 219  
   normal and malnourished asthenic, 222  
   of abnormal body weight, basal metabo-  
   lism in, 219  
   partial or full dentures for, 20  
   persistent nasal catarrh in, 339  
   removal of tonsils in, 1120  
   rheumatic, variation of diet in, 96  
   rheumatism in, 340  
   sick, nutrition of, 1118  
   sinusitis in, 338  
   young, Fletcherization by, 335  
 Children's thinking, 788  
 Chin propping, 496, 497, 504, 507  
 Chondroblasts, 623  
 Chondroma, 81  
 Chronic dyspepsia in children of school age,  
   222  
 Class I cases of malocclusion, 1281  
 Class II, Angle, distal bite, 635  
   cases of malocclusion, 1282  
   or distoclusion, treatment of, 127  
 Class III cases of malocclusion, 1285  
 Classification, Angle's, 380  
   Potter's, 380  
   of fractures, 444  
 Clavicles, absent or deficient, 826-835  
 Cleft palate, 711  
   device for aiding, 567  
   operative, with orthodontic interference,  
   1210  
   palates, 414  
   repair of, after unsuccessful operations,  
   1299  
 Clinics, school, practice of orthodontia in,  
   615  
 Close-bite, 750, 962  
 Cod liver oil, 282  
 Code of Ethics of American Dental Asso-  
   ciation, 1010, 1015  
 Collapse of patient, 676  
 Commercial dental laboratory, 223  
 Complications in fractures of mandible, 447  
   of maxillae, 446  
   oral, of pregnancy, 335  
 Compressive stress, 1051  
 Condyle, fracture of neck of, 84  
   growth of mandible at, 626  
   relation of, to normal movement, 64  
 Condyles, 1253  
 Cone-shaped teeth, 993  
 Contour and function in operations for or-  
   ganic ankylosis of mandible, 62  
 Copper in normal nutrition, 220  
   in treatment of idiopathic anemia, 1008  
 Coronal measurements, 756  
 Cost of dental care as influenced by cost  
   of dental education, 1329  
 Cranial and facial forms, correlation of,  
   482  
 Cranium, relation of teeth, palate, and oc-  
   clusal plane to, 972  
 Cup feeding, 1000  
 Curettage, 319  
 Current, Arsonval, 567  
 Cusp position, constancy of, as related to  
   facial form, 180  
 Cyclop, 416  
 Cyst, mandibular, associated with malocclu-  
   sion, 430  
   multilocular, in left mandibular region,  
   324
- D
- Dallas Mid-Winter Dental Clinic, 1240, 1334  
 Dangers of extraction in acute leucemia,  
   566  
 Deciduous dentition, malocclusions of, 714  
   dentitions, 928  
   teeth, early loss of, 477  
   interception of malocclusion in multiple  
   loss of, 20  
 Deficiency diet, relation of, to diseases of  
   sinuses, 340  
 Deformities in nose, 509, 510  
   labial, due to malocclusion, 808  
   of jaws, 391  
 Deformity, external, 63  
 Delayed eruption of teeth, 820  
 Dental amalgams, 1006  
   care, cost of, influenced by cost of dental  
   education, 1329  
   economics, 1330  
   orthodontics and, 1121  
   enamel, remineralization of white spots  
   in, 1146  
   Infection and Systemic Disease (book re-  
   view), 227  
   laboratory, 456  
   commercial, 223  
   mechanic, 456  
   pathology, bone development in connec-  
   tion with, 669  
   Society of State of New York, 238, 461,  
   1017, 1128, 1240, 1334  
   tissues, laboratory examination of, 16  
   units, 34  
 Denticles, 330  
 Dentigerous cyst, 329

Dentine, secondary, 1048  
 Dentistry, hospital, 558  
   panel, 678  
 Dentists and physicians, joint meeting, 239  
 Dentition, deciduous, malocclusions of, 714  
 Dentitions, deciduous, 928  
 Dentures, mutilated, 44  
   partial or full, for children, 20  
 Design of auxiliary springs to reduce break-age, 653  
   of orthodontic appliances, 856  
 Deterioration of radiodontic films, 214  
 Development of radiodontic films, methods for, 87  
   through function, 255, 256  
 Developmental groups, dentitions of different, 156  
 Diagnosis and prognosis, differential, 113  
   physiologic, as key to regulation of complex malocclusions, 42  
 Diagnostic methods in orthodontics, 351  
 Diarrhea, 1007  
 Diet, 476  
   deficiency, in diseases of sinuses, 340  
   high sugar, effect of, on growth and structure, 1117  
   in rheumatic children, effect of variation of, 96  
   infant's, gelatin in, 896  
   liquid, for jaw cases, 1001  
   of infants, banana in, 96  
   relation of, to health and disease, 786  
   soft, for jaw cases, 1003  
   tough, fibrous, 284  
 Dietary experiments, comparison of, between monkeys and rats, 4  
   management of surgical cases, 996  
 Differential diagnosis and prognosis, 113  
 Digestion efficiency, 1232  
   under various conditions, 1007  
   with various foods, 1007  
 Disability, what constitutes, 1235  
 Discharge, nasal, 339  
 Diseases, nose and throat, 391  
   Systemic, Dental Infection and (book review), 227  
 Diseases of dental pulp, 671, 672  
   of sinuses, 340  
 Disharmony in biologic proportions, 604  
 Displacement, forward, bilateral fracture of maxilla with, 57  
   of buccal teeth into spaces of maxillary first premolars, 982  
   of teeth, parallel to axis, 369  
 Distal bite (Angle Class II), 635  
 Distocclusion, bilateral, 257  
   developmental exercises used in, 991  
   labial deformities in, 814  
   protrusive type, 1184  
   treatment of, 127, 1182  
 Dressing wounds, 320, 321  
 Dressings, 1115  
 Drifting of teeth, 44  
 Drinking tube, 999  
 Duplicitas anterior, 412  
   with two cleft palates, 414  
 Dysostosis, cleidocranial, 825  
 Dyspepsia, chronic, in children of school age, 222

## E

Eastern Association of Graduates of Angle School of Orthodontia, 462, 1240, 1334  
 Economics, dental, orthodontics and, 1121  
 Eczema, occupational, of dentists, 453  
 Education, changes in philosophy of, 789  
   dental, cost of, influences cost of dental care, 1329  
   orthodontia, 795  
 Egg yolk, 282  
 Eggs, digestion-efficiency of, 1232  
 Eighth International Dental Congress, 794, 901, 1017, 1127, 1241  
 Elasticity of wire, testing for, 296  
 Elastics, intermaxillary, 611, 867, 905, 908, 939, 1186  
 Elevation of maxillary and mandibular anterior teeth in mouth-breathing, 45  
 Embryo, 1135, 1136  
 Enamel, dental, remineralization of white spots in, 1146  
   relation of, to dental caries, 336  
   surfaces of teeth rough, 884  
 Endocrine glands in otolaryngology, 676  
 Endocrinology, some recent advances in, clinical applications of, 454  
 Endurance of wire, testing for, 296  
 Epignathus, 414  
 Epithelial structures, 1035  
 Epithelium, gingival, 12  
 Epulis, 674  
 Equipment, operating, 1098  
 Ergosterol, irradiated, 785  
 Eruption, delayed, of teeth, 820  
   of molars and premolars, means of promoting, 405  
 Eruptive force, natural, of teeth, 43  
 Erysipelas in infancy and childhood, 676  
 Escharotic, 322  
 Ethics, 1150  
 Etiology of malocclusions, 370-372  
 European Orthodontological Society, 350  
   presidential address, 577  
 Exercise for coordination, 481  
   muscular, 846  
 Exercises, developmental, used in bilateral distocclusion, 991  
   masseter temporal, 992, 1190  
   muscle, 242  
 Exodontia (book review), 226  
   preoperative, operative and postoperative care in, 312  
 Exodontist, 211  
 Exophthalmic goiter, 677  
 Expansion arch, 729, 860  
   labial, 882  
   apparatus, 619  
   appliance, maxillary, 930  
   vulcanite plate, 1274  
 Extensions, spring, for high labial arch, 748  
 Extraction, 315-318, 619, 780  
   dangers of, in acute leucemia, 566  
   in impaction of third molar, 913  
   in postnormal occlusion, 932  
   in treatment of small apical base, 428  
   of first maxillary premolars, 1283



Extraction—Cont'd  
 of first molars, 381, 873, 875  
 of infected teeth, 554  
 of maxillary lateral incisor, 1189  
 of second molars, 381  
 of teeth, 725  
 of third and fourth molars, 875  
 of third molar, 381  
 Extraoral pressures in malocclusions, 475

F

Face, cancers of, 189  
 growth of bones of, 622  
 muscles of, 244-246  
 relation of teeth, palate, and occlusal plane to, 972  
 sleeping, 501, 502, 505  
 Facial form, constancy of cusp position as related to, 180  
 forms, cranial and, correlation of, 482  
 growth, 1243  
 horizontal, 1247  
 mandibular adjustment in, 1252  
 vertical, 1246  
 proportion as basis for diagnosis of occlusion, 1019  
 Fading of films, 215  
 Farina, irradiated, 221  
 Fatigue of dental golds, 1060  
 of metal, 654  
 Faulty feeding, 845  
 food, 844, 845  
 Fear, elimination of dental, 675  
 Feeding infant artificially, 952  
 infants, 951  
 of infant, postnormal occlusion, 926, 927  
 Fever, scarlet, toxin and antitoxin, 569  
 Fibroma, 81  
 Fibroblastic activity, 13  
 Fibroblasts, 623  
 Filipino nutrition, problems in, 894  
 Filling root canals, 672  
 Film packet, placing of, 332  
 Films, radiodontic, deterioration of, 214  
 development of, 87  
 Finger, sucking of, 405  
 First molars, extraction of, 381  
 permanent molar, 651  
 Fixed appliances, 404  
 Flap from arm sewed in palate, 1307  
 from neck and chest for palate, 1310  
 long pedicled, from pharyngeal wall, 1302  
 mucoperiosteal, 330  
 Flaps, incision, 319  
 mucoperiosteal, 1300  
 pedicle, 326  
 Fletcherization, 335  
 Flexibility, 1055  
 Floor of mouth, cancers of, 189  
 Florida State Dental Anesthetist Society, 464  
 Focal infection, 780  
 status of, 552  
 Follicular odontoma, 82  
 Food factors other than vitamin D in rickets, 454  
 influence of, upon longevity, 787  
 uncooked, value of, 1118

Foods, efficiency of digestion with, 1007  
 for growth, 1139  
 irradiated, 785  
 Forceps, serrated, 313  
 Forearm pillow, 485, 491  
 Form, facial, constancy of cusp position as related to, 180  
 Fracture, bilateral, of maxilla with forward displacement, 57  
 of neck of condyle, method of treating, 84  
 Fractures, classification of, 444  
 nonunion in, 944  
 of maxilla and mandible, 444  
 Frankfort plane, 358  
 Frenum labii, abnormal or enlarged, 45  
 Fresh air, 845  
 Fronto-glabellar plane, 358  
 Fronto-nasal plane, 358  
 Fronto-orbital plane, 358  
 Full dentures for children, 20  
 Function, 1131  
 contour and, in operations for organic ankylosis of mandible, 62  
 development through, 255, 256  
 of muscle, 241  
 Functional occlusion, 467  
 Fusion of films, 215

## G

Gastric secretion in infants and children, 896  
 Gauze, iodoform, 321  
 pack, 314  
 Gelatin in infant's dietary, 896  
 General practice, relation of orthodontics to, 398  
 Gensoul's septic phlegmon, 891  
 Germicides, 1109  
 Gingival epithelium, 12  
 tissues, hyperemic, 884  
 hypertrophied, 884  
 Glands, adrenal, 1233  
 Glenoid cavity, 1253  
 Gloves, rubber, 1111  
 Gnathostatic methods of diagnosis, 114  
 Gnathostatics, Simon's theory of, 733  
 Grafts, skin, 326  
 Great Lakes Association of Orthodontists, 1331  
 Greater New York December Meeting for Better Dentistry, 575, 682, 793, 900, 1016, 1129, 1239  
 Grinding occlusal surfaces of teeth, 1187  
 Group life insurance for American Dental Association, 97  
 Growth, 1131  
 accelerated skeletal, 1024  
 facial, 1243  
 horizontal, 1247  
 mandibular adjustment in, 1252  
 vertical, 1246  
 high sugar diet, 1117  
 in bone, controlling factor, 945  
 in mandible, 923  
 lack of alveolar, in mandible, 825  
 of bones of face, 622  
 of cancers, stages of, 189  
 of maxillary sinuses, 773  
 Gum, labial, retraction of, 854

## H

- Half-round rod, unlocking and removing, 1294
- Hamilton, H. B. (in memoriam), 459
- Hand and arm pillowing, 487, 492
  - cancers of, repair of defects caused by surgery and radium, 326
  - pillowing, 487, 489, 493, 497, 498, 499
- Hands, care of operator's, 1110
- Harelip, 711
- Harvard Society of Orthodontists, 902
- Hawley appliance, 910, 1201
  - retainers, 613, 982, 993
- Health and accident policies, 1235
- Heat treatment of dental golds, 1060
- Hemangioma of pregnancy, 1207
- Hematoma of gums, 762
- Hemoglobin, seasonal variation in, 1116
- Hemorrhage, mechanical arrest of, 1093
- Hemorrhagic purpura, 758
- Heredity, 703, 731
  - in postnormal occlusion, 925
  - inherent, 945
- Histologic research on movement of teeth, 409
- Histopathology of apical absorption, 8
- Hospital dentistry, 558
  - sterilization, 1215
- Howship's lacunae, 1046
- Hygiene, mental, in childhood, 787
  - oral, 781
- Hypertonic child, 895
- Hypochromic anemia, 1008
- Hypoplasia, hereditary, 710
- Hypothyroidism, 677
- Hypotonic child, 895

## I

- Image, foreshortened, in radiodontia, 334
- Impact resistance, 1058
- Impacted canines, treatment of, 1191
  - mandibular third molars, 1252
  - teeth, 95
    - incidence of, 885
  - of first permanent molars against second deciduous molars, 425
  - permanent canines, symptoms of, 648
- Incision flaps, 319
- Incisor, maxillary lateral, extraction of, 1189
- Incisors, destruction of socket border of, 854
  - lingual movement of, 1198
  - maxillary central, natural closing space between, 427
    - rotation of, 992
  - missing, closing spaces of, 937
- Inclined plane, 434
  - appliance, 930
- Industrial clinics, 616
- Infancy, erysipelas in, 676
  - importance of body type and constitution in, 895
- Infant feeding in postnormal occlusion, 926, 927, 951
- Infant's dietary, gelatin in, 896
- Infants, diet of, banana in, 96
  - gastric secretion in, 896

- Infection and reinfection, staphylococcal, 782
  - and serum prevention, period of, in chickenpox, 570
  - apical, changes in blood sedimentation index in, 568
  - deficiencies of vitamins A and D, 1118
  - Dental and Systemic Disease (book review), 227
  - focal, 780
    - status of, 552
  - of maxillary sinuses, 773
  - periapical, 672
  - pericoronal, 320
- Inflammation, 671
  - in antrum, 391
- Infraclusion of anterior teeth, complicating mesiocclusion, 1171
- Inlay attachment for deeply impacted canines, 1298
- Inoculation, antiscarlatinal, in Poland, 569
- Inspection development of radiodontic films, 88
- Institution, measles in, prophylactic measure in, 568
- Instructions to patient and parent in muscle culture, 268-272
- Instrument for unlocking and removing arch lock, 1295
- Instruments for insertion and removal of lingual or labial arches with half-round rod and tube lock, 1293
  - care of, 1217
  - supplementary, in exodontia, 314
- Interception of malocclusion in cases of multiple loss of deciduous teeth, 20
- Intermaxillary force, 728
- Intern, dental, 558
- Iodine, thymol, 321
- Iodoform gauze, 321
- Iron in treatment of idiopathic anemia, 1008
- Irradiated farina, 221
  - foods and ergosterol, 785
- Italian Stomatologic Congress, 576

## J

- Jackson removable appliance, 738
- Jaw, human, teratology of, 410
- Jaws, deformities of, 391
- Joint, bony overgrowths of, 66

## K

- Knives, surgical, tests on, 1219

## L

- Labial deformities due to malocclusion, 808
  - impaction, 650
- Laboratory, commercial dental, 223
  - orthodontic, 37
- Labrador, nutrition in, 1120
- Lacunae, Howship's, 1046
- Lapsing of treated cases, 376
  - extraction of molars, 381
- Law, dental advertising controlled by, 1010
- Lesions, 1206
- Leucemia, acute, dangers of extraction in, 566

Leucoplakia, 1206  
 Life insurance, group, 97  
 Ligamentous ankylosis of temporomandibular articulation, 257  
 Ligatures, intermaxillary, 1174  
   silk, 905, 939  
 Linen for operation, 1114  
 Lingual arch, 730  
   impaction, 650  
   lock, 657  
   movement of incisors, 1198  
   tube with noninterfering lock, 1202  
 Lip, cancers in, 189  
   flaps, vermilion-bordered, switching of, 438  
   interposition, 45  
   sucking of, 405  
 Lips, atonic, in malocclusions, 43, 45  
   limiting force of, on labial surfaces of teeth, 43  
 Liver, feeding of, in anemia, 1116  
   treatment of anemia, 1009  
 Local symptoms of impaction, 648  
 Lock, lingual, 657  
 Longevity, influence of food upon, 787  
 Loop arches, 730  
 Loss of deciduous teeth, 477  
 Ludwig's angina, 891  
 Luxation, 619

## M

Machine for sharpening model trimmer blades, 1296  
 Maldevelopment of jaws, 843  
 Malignant oral lesions, 1208  
 Malnourished asthenic children, 222  
 Malnutrition in school children, 219  
 Malocclusion, 604  
   accompanying unilateral face burns, 482  
   Class I cases, 1281  
   Class II cases, 1282  
   Class II, Division 1, 158  
   Class III cases, 1285  
   interception of, in cases of multiple loss of deciduous teeth, 20  
   labial deformities due to, 808  
   mandibular cyst associated with, 430  
   relation of form of pillow-object and, 482  
   typical cases of, 1280  
 Malocclusions, 899  
   atonic lips as factor in, 43, 45  
   complex, physiologic diagnosis as key to regulation of, 42  
   deviational influences causing, 43  
   etiology of, 370-372  
   extraoral pressures in, 475  
   local etiologic factors causing, 43  
   of deciduous dentition, 714  
 Mandible, 1182  
   anterior underdevelopment of, in mouth-breathing, 45  
   fractures of, 444  
   growth in, 923  
   lack of alveolar growth, 825  
   organic ankylosis of, operations for, 62  
   ossification of, 623  
   retraction of, 1157  
   treatment of, 140  
 Mandibular adjustment, 1243  
   appliances in orthognathia, 422  
   cyst associated with malocclusion, 430  
   dentition, calcification centers in, of cat, 690  
   movement, 633  
   protrusion, surgical correction of, 1163  
   region, left, multilocular cyst in, 324  
 Manganese in normal nutrition, 220  
 Masseter muscle, 623  
 Mastication, muscles of, 632  
 Maxilla, fractures of, 444  
   unilateral contraction of, 1160  
 Maxillary anterior teeth, labioversion of, 882  
   antrum, bacteriologic and cytologic study of, 1327  
   appliances in orthognathia, 419  
   arch, narrow, 1281  
   bilateral fracture of, with forward displacement, 57  
   incisor, left lateral, 1189  
   lateral incisors, missing, 937  
   molar, protocone of, 183, 184  
   sinuses by repeated radiographs from birth to seven years, 768  
   tuberosity, broken, 319  
 Measles, prophylactic measure for, 568  
 Meat, digestion-efficiency of, 1232  
 Meats, vitamin G in, 1117  
 Mechanical efficiency, 896  
   test, 296  
 Median-sagittal plane, 359  
 Membrane, Nasmith's, function of, 443  
 Mendelian principles, 703-710  
 Mental hygiene in childhood, 787  
   value of, to welfare of child, 788  
 Mercurial stomatitis, 559  
 Mesial occlusion, 971  
 Mesioclusion complicated by infraclusion of anterior teeth, 1171  
   labial deformities in, 815  
 Metabolic function, 476  
 Metabolism, basal, 219  
   calcium phosphorus, 947  
   mineral, 277  
   of obesity, 896  
 Metal, fatigue of, 654  
 Military dispensaries and hospitals, 616  
 Milk and milk products, 283  
   digestion of, 1007  
   efficiency of, 1232  
 Mineral metabolism, 277  
 Minerals for growth, 1139  
 Misinterpretation regarding supernumerary teeth, 331  
 Missouri State Dental Association, 238, 349  
 Model trimmer blades, machine for sharpening, 1296  
 Molar, first mandibular, 823  
   permanent, 651  
   maxillary, protocone of, 183, 184  
   second, congenitally missing, 911  
   third, disappearance of, 598-601  
   extraction of, 381  
   in orthodontia, 597  
 Molars, eruption of, means of promoting, 405  
   first, extraction of, 381, 873, 875

## Molars—Cont'd

- first permanent, impacted against second deciduous molars, 425
- mandibular first, extraction of, 982
- maxillary second, 822
- second deciduous, first permanent molars impacted against, 425
- spaces for loss of first or second, appliances to close, 873
- third and fourth, extraction of, 875
- impacted mandibular, 1252
- in relation to orthodontic treatment, 911
- Montreal Dental Club, 1018
- Motility of empty stomach, 222, 454
- Mouth, cancer in and about, 188
  - cancers of, repair of defects caused by surgery and radium in, 326
  - mechanical cleansing of, 1101
  - neoplasma of, 1204
  - septic phlegmon of floor, 891
  - surgery of, sterilization for, 1097, 1215, 1317
- Mouth-breathing, 44, 341, 731, 928, 969
- Movement, anterior apical, 745
  - bodily, of teeth, 744
  - mechanical tooth, 608
  - of mandible, 633
  - of teeth around axis, 369
  - histologic researches on, 409
- Mucoperiosteal flaps, 330, 1300
- Multilocular cyst in left mandibular region, 324
  - cystic tumors, 82
- Mummification, 95
- Muscular action, abnormal, 341
  - activity, 257-268
  - balance, 74
  - rheumatism, 781
- Muscle culture, 268-272
  - exercises, 527
  - function, effect on osseous development, and relation to orthodontic treatment, 241
- Muscles, 841
  - automatic action, 631
  - masseter, 632
  - of mastication, 632
  - pterygoid, 632
  - temporal, 632
- Mutilated dentures, 44
- Mutilations in malocclusion, 604

## N

- Nasal catarrh, persistent, in children, 339
- discharge in childhood, 339
- passages, 189
- septum, deflected, in mouth-breathing, 44, 45
- Nail biting, 477
- Nasmyth's membrane, function of, 443
- Nasopharyngeal feeding, 1000
- Neck, muscles of, 245, 246
  - tumors in, 189
- Negocoll, plaster casts with, 817
- Neoplasma of mouth, 1204
- Neuroclulsion, 1188, 1194, 1198
  - labial deformities in, 814

- New York Society of Orthodontists, 239, 1128, 1238
  - in memoriam resolution, 792
- New York State Dental Hygienists Association, 349, 462
- New York University Dental College, 1017
- New York University Orthodontic Study Club, 1129
- News and notes, 99, 228, 344, 461, 574, 681, 793, 900, 1016, 1127, 1238, 1331
- Nipple, rational, for infant's bottle, 956
- Noma with subacute course, 337
- Nomenclature, radiodontic, 448
- Nonirradiated cereals, toxamin content, 283
- Normal balance of pressure on denture, 528
- Nose and throat disease in production of deformities of jaws, 391
- Notes of interest, 112, 240, 350, 464, 576, 682, 902, 1018, 1129, 1242, 1334
- Nutrition, Filipino, problems in, 894
  - in Labrador, 1120
  - normal, 220
  - mother's knowledge of, 1119
  - of sick children, 1118
  - science of, 1138

## O

- Oakland Dental Club, 111
- Obesity, metabolism of, 896
  - nature of, 895
- Occlusal changes after retention, 423
  - no treatment, 424
  - plane, 924
    - determining position of, 979
    - relation of, to face and cranium, 972
  - surfaces of posterior teeth, grinding, 1187
- Occlusion, abnormal, 427
  - afunctional, 465, 468
  - as basis of orthodontia, 727
  - balanced, in relation to natural teeth, 465
  - correct, 1086
  - functional, 467
  - infraversion and supraversion, 1019
  - mesial, 971
  - postnormal, 922
- Occupational eczema of dentists, 453
- Odontoclasts, 1048
- Odontologic, anthropologic and, studies of twins, 640
  - Institute of Santos, 463
- Odontoma, follicular, 82
- Office equipment, 33-38
  - furnishings, 30-39
  - hours, schedule for, 38
  - in residential district, 29
- Open-bite, 1022, 1023
  - appliances in orthognathia, 420
  - case with labioversion of maxillary anterior teeth, 882
  - grinding posterior teeth in, 1187
- Operating cabinets, 33
  - room, 33, 1098
- Operation, preparation for, 1098
  - for organic ankylosis of mandible, 62
- Operative care in exodontia, 312
  - cleft palate with orthodontic interference, 1210



Oral cavity, tumors in, 81  
 complications of pregnancy, 335  
 perversions, alleged, 478  
 prophylaxis during orthodontic treatment, 781  
 sepsis and muscular rheumatism, 781  
   in Germany, 452  
 surgeon, 211  
 Oranges, 284  
 Orbital plane, 151  
 Organizing for pleasant and efficient practice, 29  
 Orthodontia, American Board of, 50, 238, 348, 575, 681, 1331  
   and pediatrics, common ground of, 1131  
   education, 795  
   educational tendencies, 805  
   for adult, 92  
   interrelation of causes, factors and treatment in, 602  
   practical, some practical suggestions on, 592  
   practice of, in school clinics, 615  
   teaching of, 286  
   teleologic view of, 804  
   thirty years in, 725  
 Orthodontic appliances, choice of, 579  
   design of, 856  
   interference in operative cleft palate, 1210  
   laboratory, 37  
   materials and appliances, 1050  
   practice, principles of biology applied to, 839  
   symmetrograph, new, 665  
   treatment, best age for, 1156  
     conducted in general practice, 378, 379  
     muscle function in, 241  
     object of, 605  
     oral prophylaxis during, 781  
     physiologic, 1006  
     third molars in relation to, 911  
     trend of, 1078  
 Orthodontics and dental economics, 1121  
   diagnostic methods in, 351  
   relation of, to general practice, 398  
 Orthodontology, root development in connection with, 669  
 Orthognathia, 418  
 Osseous development, muscle function in, 241  
 Ossification centers in long bones of cat, 690  
   of mandible, 623  
 Osteitis fibrosa, 1206  
 Osteoblasts, 943  
 Osteoclasts, 1046  
 Osteoma, 82  
 Osteomalacia, 855  
 Otitis media, acute and chronic, 1328  
 Otocephalie, 417  
 Otolaryngology, endocrine glands, 676  
 Overbite, 1020-1022, 1282  
 Overdosage of vitamin D, 221  
 Overeruption of teeth, 44  
 Overgrowth in superior maxilla, 391  
 Overgrowths, bony, of joint, 66  
 Overlays, gold, 964  
 Oxalic acid as factor in caries, 675

## P

Packing, temporary, 1191  
 Pain of diseased dental pulp, 672  
   referred, 218  
 Palate, cleft, device for aiding, 567  
   determining shape and position of, 979  
   flap from arm sewed in, 1307  
   from neck and chest, 1310  
   length, 1300  
   relation of, to face and cranium, 972  
   severely damaged, 1301  
 Palmer, George B. (in memoriam resolutions), 459  
   (obituary), 792  
 Panel dentistry, 678  
 Papillomata, 1206  
 Paradentium, 1043  
 Paragnathus, 415  
   confusus, 415  
 Parathyroid extract, 1233  
 Parent, instructions to, in muscle culture, 268-272  
 Partial dentures for children, 20  
 Patient, instructions to, in muscle culture, 268-272  
 Pediatric customs and malocclusions, 481  
 Pediatrics, 1119  
   orthodontia and, common ground of, 1131  
 Pedicle flaps, 326  
 Periapical infection, 672  
   involvement, 334  
 Pericoronal infection, 320  
 Peridental membrane, changes in, 11  
 Period of infectivity and serum prevention of chickenpox, 570  
 Periodontia, 210  
   practice of (book review), 226  
 Periodontoclasia, 210  
 Periosteum, 945  
 Permanent teeth, apical absorption of, 1, 1035  
 Pernicious anemia, 1009  
 Perverted breathing, 476  
 Pharyngeal wall, pedicled flap from, 1302  
 Pharynx and tonsil, growths in, 189  
 Phenol solution in sterilization, 1318  
 Philosophy of education, changes in, 789  
 Phlogosis, 671  
 Phosphorus, calcium to, ratio, 277  
   intake, 786  
   organic, following parathyroid extract, 1233  
 Photographic room, 37  
   technic, 972  
 Physicians and dentists, joint meeting, 239  
 Physiologic diagnosis as key to regulation of complex malocclusions, 42  
 Pillow-object and malocclusion, 482  
 Pillowing (*see* arm pillowing and hand pillowing)  
 Pituitary body, 783  
 Planning orthodontic appliances, method for, 1094  
 Plier for lingual or labial arch locks, 1293  
 Pooled adult blood serum, 568  
 Postnormal occlusion, 922  
 Postoperative care in exodontia, 312  
   roentgenograms, 210  
 Postural irregularities, 514  
 Posture, 1143



- Postures in malocclusions, 478  
 Poupon teat, 956  
 Powder for remineralizing enamel, 1149  
 Practice of orthodontia in school clinics, 615  
   of Periodontia (book review), 226  
   organizing for pleasant and efficient, 29  
   orthodontic, principles of biology applied to, 839  
 Preangular notch, 77  
 Pregnancy, oral complications of, 335  
 Pregnant women, retention of nitrogen, calcium, phosphorus, and magnesium, 785  
 Premaxillary appliances in orthognathia, 419  
 Premolar, mandibular right second, impacted, 982  
 Premolars, buccal movement of, 1198  
   eruption of, means of promoting, 405  
   first maxillary, extraction of, 1283  
   mandibular second, congenitally absent, 982  
   maxillary first, extraction of, 982  
 Preoperative care in exodontia, 312  
 Presidential address before the American Society of Orthodontists, 683  
 Presidential address of the European Orthodontological Society, 577  
 Pressure, 945  
   action and reaction, distribution of, 864  
   atmospheric, 44  
   normal balance of, on denture, 528  
   production, 856  
 Pressures, extraoral, in malocclusions, 475  
 Probe, blunt silver, 314  
 Prognosis, differential diagnosis and, 113  
 Prophylaxis, oral, during orthodontic treatment, 781  
 Prosothoracopagus, 412  
 Prosthodontia, 210  
 Protocone of maxillary molar, 183, 184  
 Protrusion, inferior, surgical correction of, 1163  
   maxillary, with disharmony of tooth width, 982  
 Proximate symptoms of impaction, 648  
 Psychologic charts, 675  
 Pterygoid, external, 632  
 Pulp, calcific degeneration of, 1047  
   dental, capping of, 672  
   diseases of, 671, 672  
   pain of diseased, 672  
 Purpura, hemorrhagic, 758  
 Pyorrhea, 674  
   caries and, 93  
   in pregnancy, 336

## R

- Racial groups, dentitions of different, 154  
 Radiodontic films, 214  
   deterioration of, 214  
   development of, 87  
   nomenclature, 448  
 Radiograms, 407, 673  
   extraoral, 909  
   freak, 332  
   of maxillary sinuses, 768  
   profile views of, 333

- Ramus, increased anteroposterior breadth of, 64  
   mandibular, subcutaneous osteotomy of, 1167  
   section of, 68  
   shortening of, 67  
 Rectal feeding, 1001  
 Reduction of fracture, 445  
 Regeneration, bone, 948  
 Relapse or new case, 898  
 Remineralization of white spots in dental enamel, 1146  
 Removable appliances, advantages of, 1273  
 Repair of cleft palates, 1299  
   defects caused by surgery and radium in cancers of hand, mouth and cheek, 326  
 Reply to Mr. Hodgson's discussion, 91  
 Resorption, 2  
   bone, 947  
   complete cementum, 11  
   partial dentine, 11  
 Respiration, 181  
 Resuscitation, 676  
 Retainer, cast gold, 1196  
 Retainers, Hawley, 613  
 Retaining appliance, 899  
   canine-to-canine, 910  
 Retention, occlusal changes after, 423  
   of nitrogen, calcium, phosphorus, and magnesium by pregnant women, 785  
 Reticulocytes, response of, in anemia, 1116  
 Retraction of mandible, treatment of, 140  
 Rheumatic children, variation of diet in, 96  
 Rheumatism in children, 340  
   museular, 781  
 Rickets, 243, 954  
   cone-shaped teeth, 993  
   food factors other than vitamin D in, 454  
   new clinical sign of, 851  
   treatment for, 785  
 Robinsohn's theory, 44  
 Roentgenograms, postoperative, 210  
 Roentgenography, routine use of, failure of dentists to make, 453  
 Roentgen-ray study of cat, 690  
 Root development in connection with dental pathology and with orthodontology, 669  
   lateral tipping of, 745  
   resorption, 1036  
 Rotation, immediate, 619  
 Round table discussions of American Society of Orthodontists, 300  
 Rubber gloves, 1111

## S

- St. Louis Study Club of Dentistry, 238, 348  
 Sarcoma, 83, 1207  
 Scarlet fever, toxin, and antitoxin, 569  
 Scar fixation, 70  
 Sears about joint, 69  
 Schedule for office hours, 38  
 School clinics, 616  
 Seasonal variation in hemoglobin, 1116

Second International Orthodontic Congress,  
376, 461, 576, 681, 791, 793, 900,  
1016, 1127, 1240, 1333  
rules and regulations of, 685  
molar, congenitally missing, 911  
molars, extraction of, 381  
Sepsis, oral, and muscular rheumatism, 781  
in Germany, 452  
with leukopenia in children, 1327  
Septic phlegmon of floor of mouth, 891  
Serrated forceps, 314  
Serum, prevention of chickenpox, 570  
pooled adult blood, 568  
Shearing stress, 1051  
Sickle cell anemia, 1007  
Simon's appliance, 1160  
theory of gnathostatics, 733  
Sinus infection, 1327  
thrombosis, 1328  
Sinuses, accessory nasal, 189  
development of, after birth, 338  
diseases of, 340  
maxillary, radiograms of, 768  
x-ray and, 561  
Sinusitis, chronic maxillary, 391  
in children, 338  
Skin grafts, 326  
sterilization, 1105  
Skull, anatomy of, 244  
Sleeping jacket, 519, 520  
Sloughing socket, 322  
Society for Advancement of General An-  
esthesia in Dentistry, 111, 349,  
1241, 1331  
Socket border of incisors, destruction of,  
854  
necrotic, 322  
sloughing, 322  
Soldering and technician's bench, combina-  
tion of, 35  
holder, 656  
joints in appliances, 1063  
Southern Society of Orthodontists, 1239,  
1333  
Southwestern Society of Orthodontists, 111,  
1238, 1332  
Space, natural closing of, between maxillary  
central incisors, 427  
Spaces, closing, of missing incisors, 937  
failure of teeth to occupy, 428  
Spherocephalie, 417  
Sponges, 1115  
sterile, 313  
Spoon feeding, 956, 1000  
Spreading appliance, automatic, 432  
Spring extensions for high labial arch, 748  
U-type labial tube, 906  
Spring-beam apparatus, 658  
Springs, auxiliary, design of, to reduce  
breakage, 653  
Squamous-cell carcinomata, 189  
Staining of films, 215  
Standardized development of radiodontic  
films, 87-90  
Staphylococcal infection and reinfection,  
782  
Staphylococcus aureus, 392, 782, 1104  
Sterile sponges, 313

Sterilization, boiling, 1317  
by chemicals, 1318  
by direct flame, 1318  
for surgery of mouth, 1097, 1215, 1317  
hospital, 1215  
methods of, 1222  
of dental instruments, 1217  
of skin, 1105  
Stomach, basal secretion of, 790  
empty, motility of, 222, 454  
Stomatitis, bismuth, 94  
mercurial, 559  
Strength of orthodontic materials, 1051  
Streptococcus hemolyticus, 1104  
Stress, compressive, 1051  
shearing, 1051  
tensile, 1051  
Structural features of orthodontic materials,  
1050  
Structure, high sugar diet, 1117  
Styloid process, overdeveloped, 68  
Sucking of blanket, 405  
of finger, 405  
of lip, 405  
Sucrose, 283  
Sunlight, 845, 846  
Supernumerary teeth, misinterpretation re-  
garding, 331  
Surgery of mouth, sterilization for, 1097,  
1215, 1317  
Surgical cases, dietary management of, 996  
knives, tests on, 1219  
Suturing, principle of, 319  
Switching of vermilion-bordered lip flaps,  
438  
Symmetrograph, new orthodontic, 665  
Symphysis, growth of mandible at, 626  
Syringe, high pressure metal, 1191  
Systemic, disease, 227

## T

Teaching of orthodontia, 286  
Teat corresponding to physiologic feeding,  
956  
Poupon, 956  
Teeth, arrangement of, formula for, 886  
bodily movement of, 744  
cone-shaped, 993  
delayed eruption of, 820  
drifting of, 44  
forward thrust of, 43  
general alignment of, 744  
impacted, 95  
incidence of, 885  
movement of, 409  
natural, balanced occlusion in relation to,  
465  
eruptive force of, 43  
overeruption of, 44  
relation of, to face and cranium, 972  
rough cemento-enamel junctions, 884  
supernumerary, misinterpretation regard-  
ing, 331  
vital, examination for, with Arsonval cur-  
rent, 567  
Teleologic view of orthodontia, 804  
Temporal muscle, 632  
Temporo-mandibular articulation, human,  
1260  
Tensile stress, 1051

Tension influences in bone growth, 945  
 Teratology of human jaw, 410  
 Theory, Robinson's, 44  
 Therapy, rational, 903  
 Third molar, disappearance of, 598-601  
     in orthodontia, 597  
     in relation to orthodontic treatment, 911  
 Throat, muscles of, 244-246  
     nose and, disease in production of deformities of jaws, 391  
 Thumb-sucking, 45, 477, 487, 493, 968  
     device, 295, 970  
     probable etiology, 982  
 Thymol iodide, 321  
 Thyroid, 676  
 Tip attachment, 1192  
 Tipping of root, 745  
 Tissues, dental, laboratory examination of, 16  
 Tongue biting, 45  
     cancers of, 189  
     conditions, 477  
     pressure, 485, 486  
     in mouth, 945  
 Tonsil, growths in 189  
 Tonsils, bacteriology of, 340  
     removal of, in children, 1120  
 Tooth germs, missing, clinical sign of, 851  
     movement, bone changes during, 535  
 Tooth width, disharmony of, 982  
 Toothbrush, modern, sources of, 337  
 Tortocollis, congenital, 393  
 Toxamin, 283  
 Traction, violent orthodontologic, 672  
 Transversal anomaly, diagnosis of, 363  
 Treatment, complete x-ray examinations before starting, 290  
     of Class II or distoclusion, 127  
     of retraction of mandible, 140  
     orthodontic, best age for, 1156  
     muscle function in, 241  
     trend of, 1078  
     principles, 903  
 Trismus, 320  
 Tritubercular tooth, 183  
 Tube, open, appliance, 903  
 Tuberculosis of bone, nutrition of children with, 1118  
 Tuberosity, broken maxillary, 319  
 Tumors, classification of, 1205, 1206  
     in neck, 189  
     in oral cavity, 81  
     of gums in pregnancy, 335  
 Turricephalus, 1029  
 Twins, anthropologic and odontologic studies of, 640

## U

Uncooked food, value of, 1118  
 United States Public Health Service, notice of examination for entrance into, 1128  
 Unprofessional conduct, 1014

## V

Vaccine in prevention of whooping cough, 570  
 Vascularity in alveolar processes, 1244  
 Vegetables, green, 282  
 Vermilion-bordered lip flaps, switching of, 438  
 Vincent's disease, increase in, 93  
 Vital teeth, examination for, with Arsonval current, 567  
 Vitamin A, 1118  
     B deficiency, effect of, on learning ability, 785  
     D, 277, 786, 1118  
         irradiated farina with, 221  
         overdosage of, 221  
     G in meats and by-products, 1117  
 Vitamins, 783, 1140  
     lack of, in production of anemia, 221  
 Vix Medicatrix Naturae in pediatrics, 1119  
 Vulcanite bite-plate, 1282  
     plate expansion appliance, 1274

## W

Washington University School of Dentistry, new appointments, 1018  
     orthodontia department, 1238, 1332  
 Water-soluble vitamin (G), 1117  
 Weight, abnormal, in children, 219  
 Wheat biscuit, irradiated, 782  
 Whooping cough, vaccine in preventing, 570  
 Wounds of cheek, from appliances, 482

## X

X-ray and sinuses, 561  
     examination, complete oral, 431  
         before starting treatment, 290  
     films, extraoral, 913  
         intraoral, 913  
     room, 37

## Z

Zinc in normal nutrition, 220

EDITORIALS

- |   |   |
|---|---|
| <p>A relapse or a new case, 898<br/>Angle, Edward Hartley, 1124<br/>Dental Infection and Systemic Disease<br/>    (book review), 227<br/>Exodontia (book review), 226<br/>Group life insurance for American Dental<br/>    Association, 97<br/>Hamilton, H. B., 459<br/>Health and accident policies, or what con-<br/>    stitutes disability, 1235<br/>Mouth breathing and abnormal muscular<br/>    action, 341<br/>Orthodontics and dental economies, 1121<br/>Palmer, George B., 459, 792<br/>Panel dentistry, 678</p> | <p>Resolutions of the American Society of<br/>    Orthodontists, 460, 680<br/>Should dental advertising be controlled by<br/>    law? 1010<br/>The commercial dental laboratory, 223<br/>The cost of dental care as influenced by the<br/>    cost of dental education, 1329<br/>The dental mechanic and the dental lab-<br/>    oratory, 456<br/>The Practice of Periodontia (book review),<br/>    226<br/>The Second International Orthodontic Con-<br/>    gress, 791<br/>Twenty-ninth annual meeting of the Ameri-<br/>    can Society of Orthodontists, 571</p> |
|---|---|